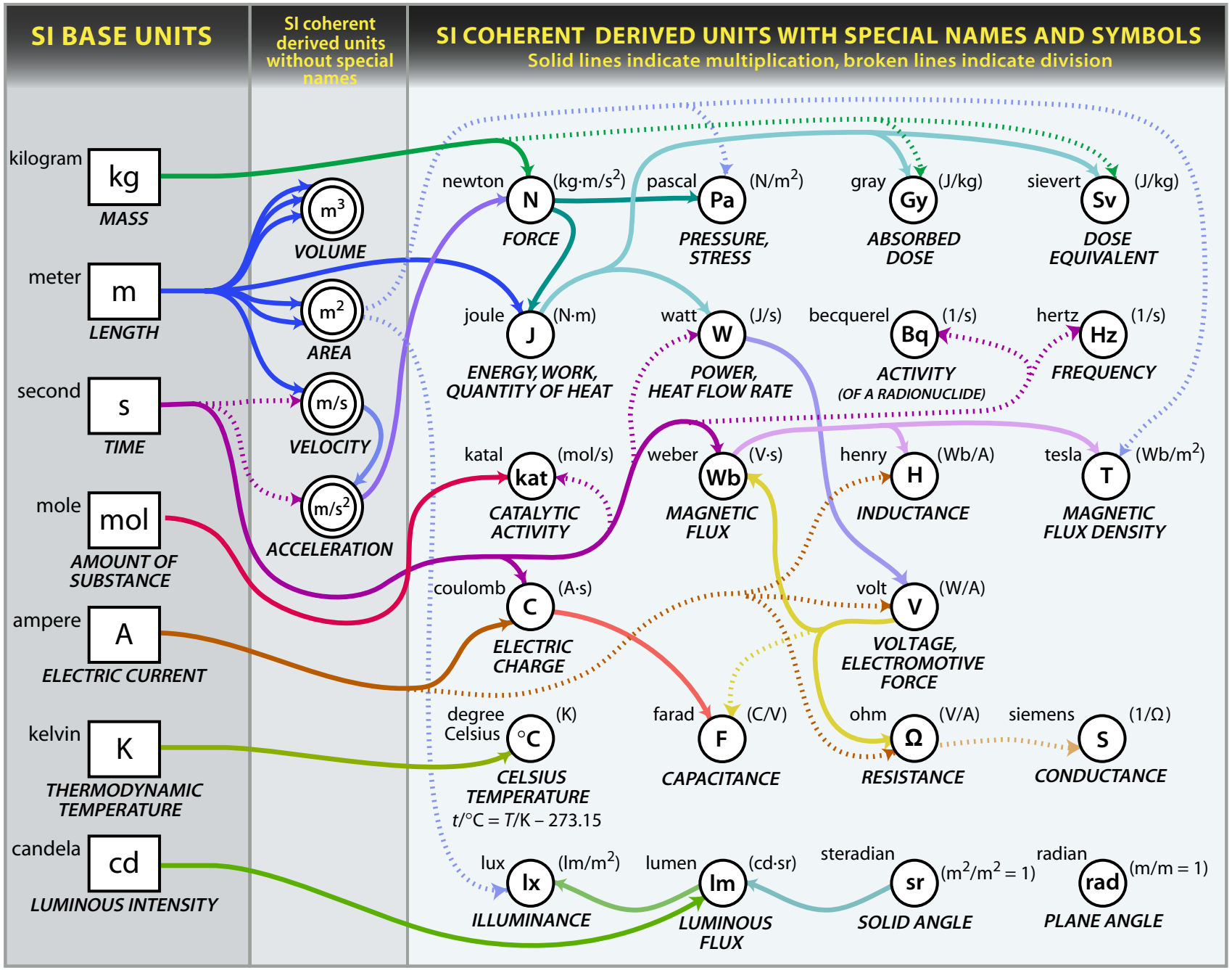
SI BASE UNITS
SI coherent derived units without special names
SI COHERENT DERIVED UNITS WITH SPECIAL NAMES AND SYMBOLS
Solid lines indicate multiplication, broken lines indicate division
kilogram
kg
MASS
meter
m
LENGTH
second
s
TIME
mole
mol
AMOUNT OF SUBSTANCE
ampere
A
ELECTRIC CURRENT
kelvin
K
THERMODYNAMIC TEMPERATURE
candela
cd
LUMINOUS INTENSITY
m3
VOLUME
m2
AREA
m/s
VELOCITY
m/s2
ACCELERATION
newton
N
(kg·m/s2)
FORCE
pascal
Pa
(N/m2)
PRESSURE, STRESS
gray
Gy
(J/kg)
ABSORBED DOSE
sievert
Sv
(J/kg)
DOSE EQUIVALENT
joule
J
(N·m)
ENERGY, WORK, QUANTITY OF HEAT
watt
W
(J/s)
POWER, HEAT FLOW RATE
becquerel
Bq
(1/s)
ACTIVITY (OF A RADIONUCLIDE)
hertz
Hz
(1/s)
FREQUENCY
katal
kat
(mol/s)
CATALYTIC ACTIVITY
weber
Wb
(V·s)
MAGNETIC FLUX
henry
H
(Wb/A)
INDUCTANCE
tesla
T
(Wb/m2)
MAGNETIC FLUX DENSITY
coulomb
C
(A·s)
ELECTRIC CHARGE
volt
V
(W/A)
VOLTAGE, ELECTROMOTIVE FORCE
degree Celsius
°C
(K)
CELSIUS TEMPERATURE
t/°C = T/K – 273.15
farad
F
(C/V)
CAPACITANCE
ohm
Ω
(V/A)
RESISTANCE
siemens
S
(1/Ω)
CONDUCTANCE
lux
lx
(lm/m2)
ILLUMINANCE
lumen
lm
(cd·sr)
LUMINOUS FLUX
steradian
sr
(m2/m2 = 1)
SOLID ANGLE
radian
rad
(m/m = 1)
PLANE ANGLE